

MOLD FOR MANUFACTURING DOUBLE-SIDED
DISK SHAPED ARTICLES FOR STORING DATA

Abstract of the Disclosure

5 A mold and a process for use in producing data storage articles such as single
substrate double-sided disks. In one configuration, a mold for manufacturing a
substrate includes a stamper, at least one holder having an interface with the stamper,
and a vacuum line for applying a retention force to maintain the interface between the
holder and the stamper. In another configuration, the mold includes a demolding line
10 for applying a demolding force to the substrate to aid in separating the substrate from
the stamper. The various embodiments of the present invention provide, among other
things, easier and faster stamper changeover, substrates and final data storage articles
having improved process indicia such as thickness, flatness, inner and outer diameter,
and concentricity, and facilitates production of single-substrate double-sided disks.

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